NEW CLAIM COPY

5. The process for filtering a slurry to which comprises passing a slurry through a conduit positioned within a filtration cartridge comprising a housing and a depth filter positioned within said housing and from said conduit through said depth filter, said cartridge being free of an open void volume which causes separation of particles from said slurry upstream of a top surface of said depth filter in contact with said slurry, said depth filter comprising depth filter segments separated by annular spacers and recovering a slurry which has passed through said depth filter from filtration cartridge.

6. The process of Claim 5 wherein said depth filter segments are selected from the group consisting of a wound depth filter comprising nonwoven fibers, a stack of sheets wherein each sheet comprises nonwoven fibers and a fibrous mass of nonwoven polymeric fibers secured together by mechanical entanglement of the fibers.

7. The process of Claim 5 wherein said slurry is selected from the group consisting of a silica-based slurry, an alumina-based slurry, a ceria-based slurry, a diamond-based slurry and a MnO_2-based slurry, a cell broth, a photoresist chemical, a fermentation liquid, blood, a blood fraction and a transgenic liquid.

8. The process of Claim 5 wherein said slurry is selected from the group consisting of a silica-based slurry, an alumina-based slurry, a ceria-based slurry, a diamond-based slurry and a MnO_2-based slurry.

9. The process of Claim 5 wherein said slurry is selected from the group consisting of a cell broth, a photoresist chemical, a fermentation liquid, blood, a blood fraction and a transgenic liquid.